NEWSLINE

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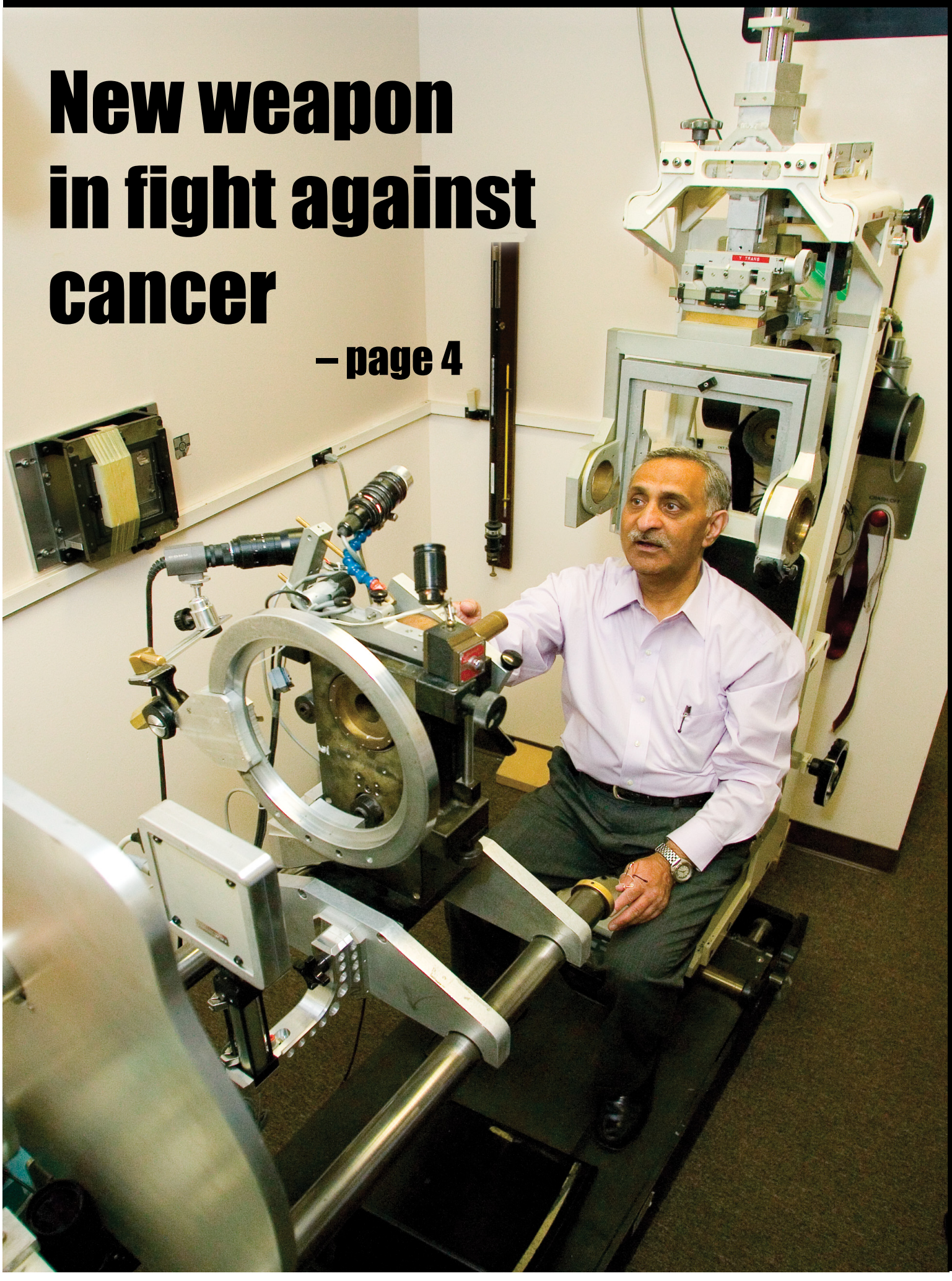
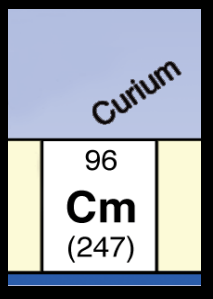
New weapon in fight against cancer

– page 4



What's INSIDE



2007 TRANSITION NEWS

New Operations and Business organization unveiled

By Don Johnston
Newsline staff writer

In a town hall meeting Tuesday for what will be the Operations and Business Principal Directorate starting Oct. 1, Principal Associate Director Frank Russo introduced himself, his management team and the directorate's basic structure.

"This feels a lot like 37 years ago when I met my in-laws. I knew it was important and I knew it was the start of a process to become a part of the family," Russo joked after he was introduced by Lawrence Livermore National Security, LLC (LLNS) President George Miller.

"The first thing I want to speak to is who I work for; I work for Lawrence Livermore National Laboratory, not Bechtel…LLNS — yes they pay the bills — but LLNS is a ream of paper that establishes contractual relationships," he said. "It's an entity, it's not flesh and blood and it's not the body and soul that I've found in the first month I've been here. There's nothing more impressive than a place where they take pride in what they do.

"I work for Lawrence Livermore National Laboratory first and foremost. LLNS, which is further down the page, is the entity that is going to provide the paychecks," Russo said, explaining that this is not unusual for people, like him, who come out of companies such as Bechtel, Washington Group or BWXT and who spend their careers managing government projects or managing and operating government labs or facilities.

"At the end of the day this LLNS organization will be satisfied only if it makes this Laboratory better than it already is," he said.

Russo recounted experiences from work on a variety of projects to highlight his beliefs and management style, which he summarized as: "brains not brawn; minds not backs; and evolution not revolution."

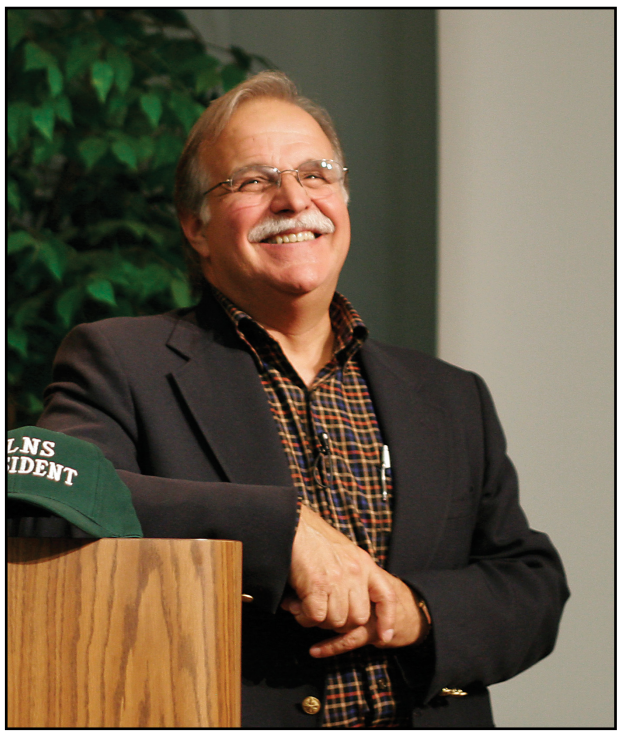
"Anyone can work crazy hours to get ahead. The trick is working so intelligently you don't have to work crazy hours," he said, noting that "when I came here I saw that working intelligently was a part of your culture."

The transition the Laboratory is undergoing is "an evolution," Russo said, "and that means we're going to listen before we act. We're going through a process now where we're starting to make some big connections, but all 8,000 connections to individual employees are going to take time."

Russo discussed the role of the O&B Principal Directorate and how it will, along with science and technology, support Lab missions and programs, a structure that was a "cornerstone" of the proposal submitted to the Department of Energy and that "DOE found to be very attractive."

The underpinning idea is "to eliminate redundancy and excessive requirements to create efficiencies — money and people — and transfer both from indirect support to mission work," he said.

Russo then went on to unveil the directorate's organization, divided into four principal areas, and the leadership team: Dave Leary, deputy principal associate director for Operations and Business and associate director for Business; Tammy Jernigan, associate director for Strategic Human Capital Management; Harold Conner, associate director for Facilities and Infrastructure; and Pam Horning, associate director for Nuclear Operations.



JACQUELINE MCBRIDE/NEWSLINE

Frank Russo

Other organizations reporting directly to Russo are: Project Management; Institutional Facilities Management; LLNS/Los Alamos National Security Business Integration; the directorate's chief of staff; and the principal associate director's office.

Russo explained that Strategic Human Capital Management and Business were being tied together in the new organization for better integration of services. "What we're looking to do comes under the heading of 'interface management.' We have very good human resources, finance, procurement and some project control systems, but they're not uniform and consistently applied and the interfaces are not fully connected," he said. "We have a proposal element called Business Systems Process and Improvement Project where we're going to look for and make the connections in those systems."

Interface management will help the Lab develop a "graded approach" to improve project controls, Russo said, noting "we're keenly aware that one size does not fit all in a Laboratory environment. So as we go forward we'll put the suite of tools together and then determine how they're applicable to individual elements of work."

Principal directorate organization

As associate director for Strategic Human Capital Management, Jernigan's job will be to "work closely with core Lab missions and science and technology to ensure that we are recruiting and retaining the kinds of minds that have existed in this Lab for 54 years," Russo said. "We want to make sure that the demographics of today's world and the natural attrition occurring as baby boomers age do not diminish the capability of this Lab."

He said the human resources services currently in the Administration and Human Resources Directorate will "move intact" into Strategic Human Capital Management.

DOE/NNSA will hold LLNS accountable for initiatives contained in the contract proposal including "doubling the number of post docs, expanding leadership development processes and introducing performance-based leadership training," he said. "HR also is going to play a big role in integrating the HR data that carries wage and costing information with our financial tools so we can get better accuracy."

Russo said business services will create, at a high level supply, chain management as opposed to the current system with various divisions performing procurement-related functions. "Supply chain management will be identification of the need through the final disposition of the excess material; cradle-to-grave accountability within one basic organization for purchasing, material distribution, property management and, ultimately, disposition."

Turning to other directorates, Russo said there's a "natural link-up" between Facilities and Infrastructure and Nuclear Operations in what he termed "consistency management" — prescribed routines that have proven successful and with built-in improvement mechanisms. "Centralized conduct of operations and maintenance, and common training and work processes will provide that consistency."

The Facilities and Infrastructure Directorate will include emergency management, environmental restoration, infrastructure services and the project management that currently resides in Plant Engineering. Russo emphasized that environmental restoration would not just deal in typical ways with environmental issues, "but use our know-how to find better, more effective and safer ways to deal with environmental cleanup opportunities."

While many of the specifics about the Nuclear Operations Directorate are being worked out, Russo said that it is being organized on the principle of "line accountability" consistent with DOE's Integrated Safety and Security Management requirements.

In its contract proposal, LLNS committed to integrating business systems with Los Alamos National Security for improved collaboration and cost efficiencies, such as through common procurements, Russo said, explaining the creation of the LLNS/LANS Business Integration Office.

Russo concluded by outlining his commitment to employees: "I'll work with you to make the Lab more effective, introduce best practices and new tools only if those add value. We'll continue to listen. I don't have all the answers today. We need to work together and I need every one of you in my directorate and everyone in the support organizations to help deliver on the promise we made to NNSA to keep this Laboratory at the very top of science and technology."

The complete town hall presentation and viewgraphs are available on the Transition Website: http://transition.llnl.gov/home/

TRANSITION NEWS: Realigning the Laboratory

A MESSAGE TO EMPLOYEES

– Barbara Peterson

In my column last week, I wrote about the "people" phase of the LLNS transition.This includes LLNS listening and learning about our Laboratory and a chance for our directorates to hold "colleague-level" discussions with the LLNS management team. As you are aware, each of the LLNS principal associate directors (PAD) is holding "town hall" meetings through the rest of this month to familiarize employees with their evolving organizational vision and structure. These town halls also provide employees with an opportunity to ask questions. This week we heard from Frank Russo regarding Operations and Business (see accompanying story, page 2).

In parallel with these "listening and learning" discussions, LLNS has begun the task of aligning our existing organization to the LLNS organizational structure. Realigning our Laboratory is an iterative, multi-step process that will include our workforce being "mapped," or placed into the new LLNS organization. This process is an integral step for LLNS' preparation of offer letters that will go to all UC employees in good standing in mid-July.

During the process of realignment, several scenarios will play out:

- Some new organizations will be created.
- Some existing organizations will be consolidated.
- Most organizations will remain consistent with their existing structure.

Many of you have asked what process LLNS will use to align the organizations, map the existing workforce and make decisions about hires or transfers into newly created positions or vacated positions due to retirements. Here is a summary of the process LLNS is using.

The first step is to align our existing administrative organization to the proposed LLNS organization by moving organizational units, with the accompanying workforce, under the new appropriate PAD organization or to the Director's Office. For example, we heard this week that LLNS Principal Associate Director for Operations and Business Frank Russo intends to move the Technical Information Department (TID), which is currently in the Administration and Human Resources Directorate (AHRD), into the Business Directorate under Dave Leary. Employees currently in TID will continue to work in TID, but under a new organization construct. This scenario is representative of how many of our organizational units will be aligned and the workforce mapped.

The LLNS plan also calls for consolidating some existing organizations. In this scenario, some current positions may be eliminated or rolled into the new LLNS organization. In those cases, affected employees will be discussed and reviewed extensively with the current management team and the LLNS team to ensure appropriate placement for all employees.

We also know that LLNS is creating some new organizational units. We heard from Frank Russo that he is creating a PAD office. In this case, new positions are being defined.

This process of aligning organization units will be reviewed and iterated as needed based on a LLNS key personnel study of the winning proposal; information from the colleague-level briefings; comments received from the town hall meetings; feedback from the current LLNL leadership, and discussion among the LLNS senior management team.

The LLNS team also will pay attention to vacancies created by retirees and positions that are

See **TRANSITION,** page 8

Transition focus

Upcoming retirement sessions

The Benefits Office will resume half-day retirement election preparation sessions in July for those considering retirement in calendar year 2007. These sessions have been created to provide necessary information to participants who will retire from the University of California Retirement Plan.

Participants should sign up for sessions no more than 90 days in advance of their anticipated retirement date. Those who wish to attend must register using LTRAIN and refer to course PS8026. Upon completion of the retirement session, an appointment will be scheduled for participants to meet with retirement counselors to complete their retirement election.

In order to ensure that employees will be able to schedule an appointment with minimum delay, the Benefits Office has arranged for retirement counselors to be available from other UC campuses to assist as needed.

Upcoming town hall meetings

June 19 **Weapons and Complex Integration,** Bruce Goodwin, 1:30 p.m.

June 21 **Global Security,** John Doesburg, 1:30 p.m.

June 26 **Science and Technology,** Cherry Murray, 10 a.m.

June 26 **National Ignition Facility and Photon Science,** Ed Moses, 11 a.m.

June 28 **Director's Office,** George Miller, 1:30 p.m.

Vacation cash-out letter

On Thursday, June 21, the LLNL Payroll Office will mail information (via U.S. mail) to all employees regarding vacation cash-out options. Look for an envelope marked "Transition information, open immediately." For employees continuing employment with LLNS effective Oct. 1, the letter will explain choices: to either cash out their UC vacation balance in full, or carry over their accrued vacation hours to LLNS. No partial cash-outs or carry-overs will be allowed. A vacation cash-out calculator is available on the Livermore Payroll Website (https://www-cfo.llnl.gov/organization/ad/pr/) to help estimate cash-outs and potential tax impacts; however, employees are urged to weigh their options carefully and discuss potential tax consequences with their tax advisers or the Internal Revenue Service. All employees must make their election by Aug. 30. An online election form will be available on the Livermore Administrative People Information System (LAPIS) (http://www-r.llnl.gov/lapis/). Questions may be addressed to the Payroll office at 2-9132.

2007 CONTRACT TIMELINE

MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
Contract awarded to LLNS Transition planning begins	LLNS town hall meetings Mapping process begins Benefit planning under way	Mid July: LLNL employees receive job offer letters	Facility walk-throughs begin	Lab policies and procedures formally reviewed Current LLNL contract expires	New LLNL contract begins.
PEOPLE					
			PLACES		
				PROCESSES	

SCIENCE NEWS

Making proton therapy more accessible to cancer patients

By Claudia Morain
UC Davis News Service

With a technology transfer agreement announced Thursday, the first compact proton therapy system — one that would fit in any major cancer center and cost a fifth as much as a full-scale machine — is one step closer to reality.

Proton therapy is considered the most advanced form of radiation therapy available, but size and cost have limited the technology's use to only six cancer centers nationwide.

The result of defense-related research, the compact system was developed by scientists at the Laboratory in a project jointly funded by the Lab and UC Davis Cancer Center. In the new technology transfer pact, LLNL has licensed the technology to TomoTherapy Incorporated (NASDAQ: TTPY) of Madison, Wis., through an agreement with the Regents of the University of California.

TomoTherapy will fund development of the first clinical prototype, which will be tested on patients at UC Davis Cancer Center. If clinical testing is successful, TomoTherapy will bring the machines to market.

"We are very pleased that the basic research of our department's defense scientists also may serve the nation by helping to make proton therapy more available to cancer patients," said Raymond Orbach, the Department of Energy's under secretary for Science.

"This technology has grown out of work to develop compact, high-current accelerators as flash X-ray radiography sources for nuclear weapons stockpile stewardship," said George Caporaso, the lead scientist on the project at the Laboratory. "We are excited about applying this new technology to the field of cancer treatment, to make proton therapy widely available as a treatment option."

"We have taken proton therapy and achieved major advances toward what we were told was impossible — to scale it down to a size and price that will bring it in reach of every major cancer center," said Ralph deVere White, director of the UC Davis Cancer Center and associate dean for cancer programs. "Our research partnership with Lawrence Livermore National Laboratory has fulfilled the mission for which it was created: to deliver translational research in order to advance health care."

Conventional radiation therapy kills cancer cells using high-energy X-rays. These X-rays deliver energy to all the tissues they travel through, from the point they enter the body, until they leave it. Doctors therefore have to limit the dose delivered to the tumor to minimize damage to surrounding healthy tissue.

Unlike high-energy X-rays, proton beams deposit almost all of their energy on their target, with a low amount of radiation deposited in tissues from the surface of the skin to the front of the tumor, and almost no "exit dose" beyond the tumor. This property enables doctors to hit tumors with higher, potentially more effective radiation doses than is possible with gamma radiation.

JACQUELINE MCBRIDE/NEWSLINE

Ralph deVere White (right), director of the UC Davis Cancer Center; Peter Hoban (left), senior product manager for TomoTherapy Incorporated; and Bill Goldstein, associate director for Physics and Advanced Technologies at LLNL, announced a technology transfer pact that would produce the first compact proton therapy system to treat cancer patients during a press conference Thursday at UC Davis. The compact system would fit in any major cancer center and cost a fifth as much as a full-scale machine.

"Until proton therapy is more common and we can do large comparative studies, we can't say with specificity what the impact will be on survival and other treatment outcomes," said deVere White, a urologic oncologist. "However, we expect that outcomes will be significantly better. As with other advances we have seen in cancer, this will reset the norm of what constitutes best therapy."

One of the largest studies of proton therapy, published in the June 1, 2004, issue of the *International Journal of Radiation and Oncology,* looked at 1,255 men who were treated for localized prostate cancer during the 1990s at the Loma Linda University Medical Center's Proton Treatment Center in Loma Linda, Calif. The study concluded that proton therapy yielded disease-free survival rates comparable to those of surgery or conventional radiation, but with minimal to no side effects, such as incontinence and impotence.

Charged protons were first used in the successful treatment of human cancer in experiments at the Berkeley Radiation Laboratory more than 50 years ago. But because the machines can cost more than $100 million to build and can require 90,000 square feet to house, today only six centers in the United States offer proton treatment: Loma Linda, Massachusetts General Hospital's Francis H. Burr Proton Therapy Center in Boston, Anderson Cancer Center's Proton Therapy Center in Houston, Midwest Proton Radiotherapy Institute in Bloomington, Ind., and the University of Florida Proton Therapy Institute in Jacksonville. In addition, UC Davis Cancer Center offers proton therapy for ocular melanoma only.

Worldwide, there are 25 proton therapy centers in operation. Together, they have treated an estimated 40,000 patients.

The compact system is expected to fit in standard radiation treatment suites and to cost less than $20 million. The compact system will be mounted on a gantry that rotates about the patient.

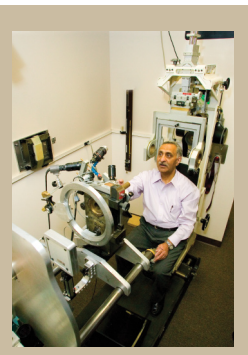
Caporaso's team overcame the size obstacle by using dielectric wall accelerator technology developed through defense research. The Livermore scientists have demonstrated in principle that this technology will enable proton particles to be accelerated to an energy of at least 200 million electron volts within a light-weight, novel, insulator-based structure about 6.5 feet long. It also won't use any bending magnets, and will be able to change the protons' energy and intensity between each burst that occurs many times per second.

Currently available proton therapy machines use cyclotrons or synchrotrons nearly 10 feet in diameter and weighing up to several hundred tons. This equipment includes the enormous gantry and bending magnets necessary to focus and direct the beams on to patients.

In addition to overcoming size and cost obstacles, the compact system will improve on existing full-scale systems by including the capability to vary the energy, intensity and "spot" size of the proton beam. Radiation will be produced in rapid pulses, creating small "spots" of dose throughout the tumor. Currently only one proton facility in the world, the Paul Scherrer Institute in Switzerland, is able to deliver this intensity-modulated proton therapy (IMPT). IMPT is generally considered the best way to destroy tumors while minimizing damage to surrounding healthy tissue.

TomoTherapy was established to commercialize another radiation therapy advance developed by university researchers, the Hi-Art® treatment system. That system, which marries a CT scanner to a state-of-the-art linear accelerator, was developed by Thomas "Rock" Mackie and Paul Reckwerdt at the University of Wisconsin.

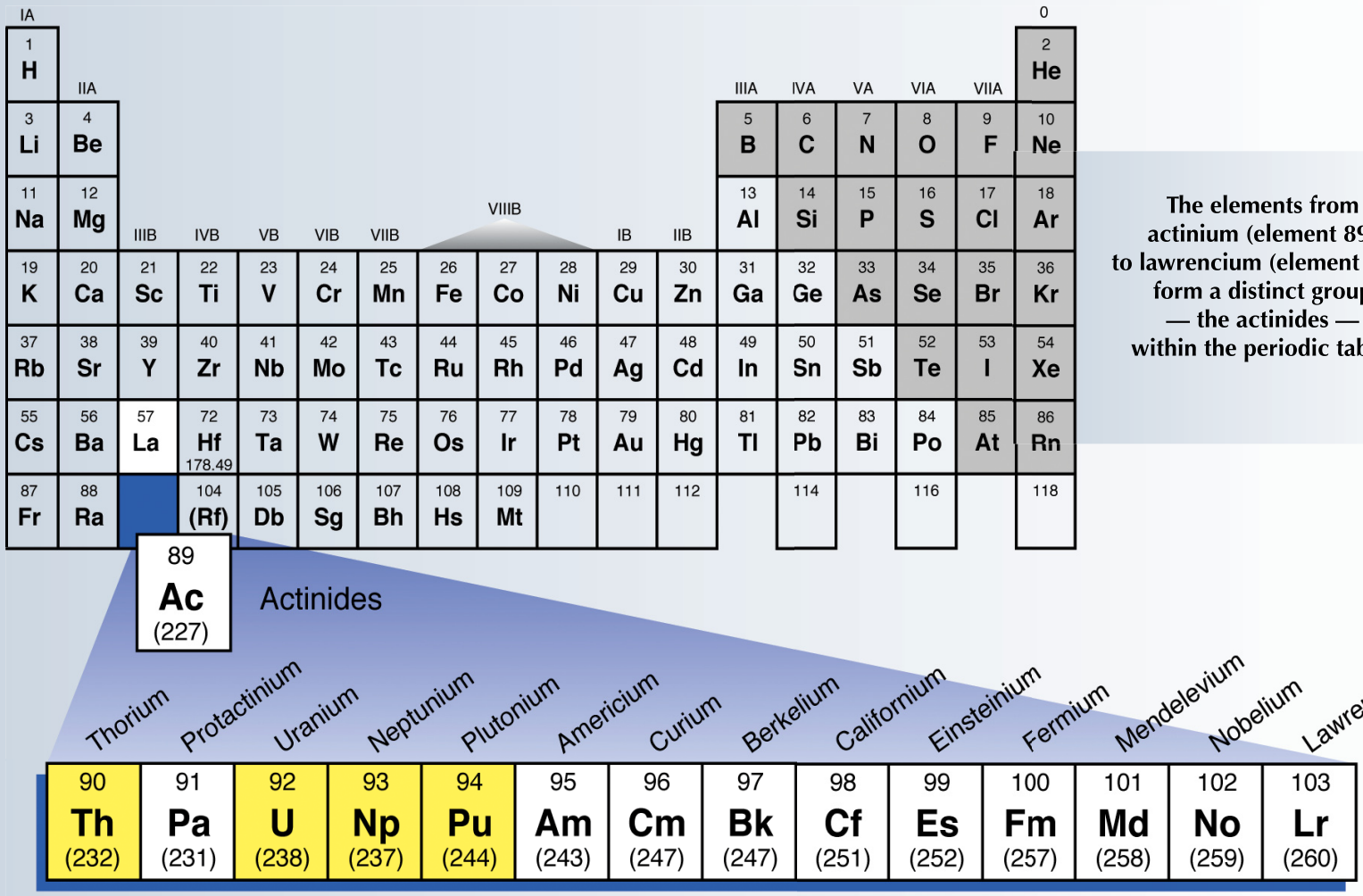
"We look forward to partnering with Lawrence Livermore to commercialize this technology for such a great cause," said Reckwerdt, co-founder with Mackie of the company. "Proton therapy has recognized advantages in the treatment of many cancer sufferers and we hope to be able to make it widely available."



On the cover: Inder Daftari, a medical physicist at UC San Francisco, shows how a patient with melanoma of the eye would receive proton beam therapy at the Crocker Nuclear Laboratory at UC Davis. In the future, a proposed compact proton therapy machine would make this treatment much more accessible to cancer patients.

SCIENCE NEWS

Gaining periodic stability through magnetism



The elements from actinium (element 89) to lawrencium (element 103) form a distinct group — the actinides — within the periodic table.

By Anne M. Stark
Newsline staff writer

Researchers have a better understanding of how the crystal structure of some metals becomes stable through magnetism.

Magnetic stabilization of the crystal structures of metals is rare. In some metals, such as manganese, iron and cobalt, the magnetic interaction energy is large enough to influence the crystal structure.

However, recent research shows that magnetically stabilized crystal structures also include the heavy actinide element, curium (Cm). In a diamond-anvil cell study, Cm was pressurized up to one million atmospheres of pressure, which caused the metal to undergo transformations between five different crystal phases.

But a new study by Livermore scientists goes one step further. The team, made up researchers from Lawrence Livermore and Oak Ridge national laboratories and Daresbury Laboratory in the United Kingdom, probed the electronic and magnetic structure of Cm by using electron energy-loss spectroscopy (EELS) in a transmission electron microscope (TEM), electron atomic calculations and density functional theory (DFT). To date, absorption-type experiments have not been performed on americium (Am) or Cm.

"Our results for curium go a long way in teaching us a general understanding of how this mechanism occurs," said Kevin Moore, the LLNL lead author of the research paper that appears in the June 8 issue of the journal *Physical Review Letters*. Other Livermore researchers include Mark Wall, Adam Schwartz and Per Söderlind as well as Gerrit van der Laan from Daresbury and Richard Haire from Oak Ridge.

The Hund's rule coupling is the key to producing the large spin polarization that dictates the newly found crystal structure of Cm under pressure.

Hund's rule of maximum spin multiplicity is a principle of atomic chemistry, which assumes that a greater total spin state usually makes the resulting atom more stable, most commonly exhibited in a lower energy state, because it forces the unpaired electrons to reside in different spatial orbitals. By staying out of each others way, the electrons lower their total energy.

"This gives us great insight into the valence state and electron coupling mechanisms of 5f electrons in plutonium and americium, two metals that are significant to nuclear reactors," Moore said. "Our data will help us refine our theoretically predictive codes for these metals to give us a better understanding of the physical properties of the metals and how they will behave under extreme conditions."

The Livermore research also helps fill a gap in a recent *Nature* paper (446, page 513, 2007) from Rutgers University that had a missing data point in a table. The LLNL americium and curium data fill the blank space in the table.

"The two papers (*PRL* and *Nature*) greatly further our understanding of the middle actinide metals — plutonium, americium and curium," Moore said.

i.want ads

Due to the high quantity of ads and space limitations, these want ads have been abbreviated.
For the complete ad listings, refer to the internal Website: http://www-r.llnl.gov/pao/news/ wantads.html or for the latest pdf download and retiree information, see the external Website: http://www.llnl.gov/pao/employee/. Please note that these ads appear on the Web.
Date of ads: Approx. June 6 to June 12. Ads appear on the Web for seven days.

Automobiles

1986 Ford Thunderbird. $800. Runs well. 925-684-2320 or 925-437-0428.

1990 Corvette. $7,500 coupe, black, 5.7 liter, auto, 68K miles. 925-449-7651

1991 Ford E-150 van. $2,000. V8, AC, TV, VCR, fridge, sink, rear seat folds to bed, 88k miles 925-455-6523

1993 Lexus. $4,200, ES300, black, 140K miles. 925-998-0805

1996 Chevy Blazer. $2,300. Black, 4 door, 2WD, Vortec V6 190hp, 215k miles original motor. 209-835-5851

1997 Plymouth Breeze. $4,000, 71,000 miles. 925-454-1518

2000 Subaru Outback Limited Edition. $8,990. 137K highway miles. 925-371-1854

2002 Cabrio VW GLX. $11,950. 61K miles, 925-960-1648

2006 BMW M3 coupe. $52K obo. Titanium Slv/Blk Lthr 4.9km SMG 6-spd 925-820-4515

Lexus ES300. 2001, $17,700, 87K mi, 209-518-2156

New tire. $75 OBO, mounted,size 205 X 75 X l5 925-735-6002

1998 red Mustang convertible. $7,500, 925-371-8111

Bicycles

26″ Schwinn bicycle. $30. Black Frontier mens', 925-443-7531

Boats

2005 Reinell 203. $20,500 OBO. 925-240-0597 or 925-584-1612

2005 Sanger Boat. V215, $37,000. 25 engine hours. 925-373-3312

Paddle boat. $450 OBO. 925-516-8925

Electronic Equipment

27 inch Sony TV w/ stand. $125. Cable ready. 925-606-6954

AT&T/Cingular 8525. $400. 209-915-5777

Dell 2000fp monitor. $150 obo. 925-449-4341

LaCie external CD burner. $50 Firewire 400 for Mac and PC 925-443-4292

Cherry wood Hitachi stereo cabinet. $20. 925-964-0534

Giveaway

17″ COMPAQ color monitor. Must pick up. 925-449-2620

Brass and glass chandelier. 925-455-9125

Conn Prelude electric organ. Free, you haul. 209-601-2962

Glass table top. 82x43″ 3/4″ thick, tempered glass, beveled edge. Base and chairs long gone. Must pick up. 925-449-4341

National Geographic magazines. 1970's & 1980's. Free. 925-215-1618

36″ Sliding white aluminum patio screen door. 925-443-9052

Small color TV. Works but not cable-ready. 925-426-9886

Twin trundle. Mattress not included. You haul. 925-455-4666

Weight bench. Will deliver if in Livermore. 925-606-9402

Household

Baby Trend Sit 'n Stand double stroller. $75. 925-997-1568

Beautiful solid wood display shelves. $145. Overall dim. 15″D x 72″H, 13lbs. Prices are firm. 925-640-5469

Brass king size headboard. $100 OBO. 373-1522

Built-in dishwasher. $75 Kenmore 665. 24″ black finish. 925-398-0545

Serta Grand Sonata Cal king mattress. $200 obo. 925-443-8354

Cherry wood dining table w/leaf & 6 chairs. $250. 209-483-6278

Walnut desk. $45. 36″ X 70″ 30.5″ high. One drawer, on casters. 925-245-9648

Glass and travertine dining set. $500. 6 chairs and side table. 925-606-9402

Antique dining table. $400 8 chairs. Missing leaf. 925-454-1478

Dishwasher. $200 OBO. Maytag Jetclean II QuietSeries. White. Width: 23-7/8″-Height: 33-1/2″-Depth: 19-1/2″ 510-792-1538

Honey maple entertainment center. $150 OBO. Holds 32″ TV. 510-792-1538

Bedroom armoire. $30. Crib $50, 3 blk bar stls $25, white ktch cabinet $10, Lt oak TV stnd $30, 209-832-4576

Fully furnished doll house. $30. 925-606-9781

Hot water heater. $100. Propane. 925-447-7255

Hanging stained glass kitchen lamp. $75. 20″ diam by 12″ tall shade. Pink, green, white, and clear hummingbird motif. 925-398-0545

Rattan table and 6 chairs. $150. Glass top table, 48″ diameter. 925-373-7025

Brown fabric recliner. $200 OBO. 510-792-1538

Stove, refrigerator, washing machine and furniture. Excellent prices. 925-353-0157

Small black wooden three-shelf bookcase. $10. 27″ w x 36″ h. 925-413-2595

Henredon sofa/coffe table. $1,500/650. 3 piece sectional beige/ecru/gold, glass top wood coffee table w/pedestal base. 925-634-7573

Solid oak twin bedroom set. $495 OBO. Includes trundle bed, 2 mattresses, bookcase, headboard and armoire. 925-243-9123

Maytag Washer/Kenmore Dryer. $75 washer, $25 dryer. 925-443-3883

Lost and Found

Found: ladies coin bag in lab bike basket 6/7/07 near Bldg. 490. 925-625-4806

Miscellaneous

2 baby bouncy seats. $8. 925-371-0585

A's/Cardinals field level tickets. 4 tickets to 2 games ($28 each - face value). 6/15, 6/16. Section 105, Row 4. 408-242-5581

Baby items. $20-40. 925-373-6833

Barbie electronic guitar. New in unopened box. 925-648-0671

Baseball bat aid. $30. For ages 7 and up. 925-648-0671

Car seat base and Baby Bongo chair. $20/each. Call after 5 p.m. 924-449-4981

Garage/moving/estate sale. Saturday, 6/16, 8 a.m - 3 p.m., Sunday, 6/17, from 8 a.m. - noon. 2437 Harewood Dr., Livermore. 925-853-4649

Giant gumball machine. $475 OBO. 925-516-8925

George F. Crane Company Globe, $10, 12-inch-diam. 925-245-9648

Graco SnuggleRide snap-in car seat, stroller and 3 bases. $75. 925-371-0585

Soccer ball-shaped humidifier. $15. 1 gallon. 925-648-0671

Looking for pilots/aviators for new LLESA group. 925-323-8223

Model skeleton. $35. 925-245-9648

Nikon FE-2 35mm camera, lens. $190. Manual 35mm. 925-443-8191

Polaris pool sweep. $100/obo. 373-1522

Shopsmith Mark V. $3,500. 925-373-6833

Suburban tires and wheels. $100. Best offer or trade. 925-373-3429

1 Ticket to Los Lonely Boys Concert. $50. Wente Vineyards on Aug. 16. 925-846-3278

Motorcycles

2000 Honda 929 CBR. $3,900. 7,400 miles. 925-443-8191

2006 Kawasaki KLR 650. $4,800. Dual-sport bike. 925-321-6741

96 Dyna Glide Harley. $10,000. Blue and chrome. 209-858-1209

2005 Honda CRF 250X. $4,250 OBO. 925-337-2875

88 Suzuki 305 LTD Sportster. $450 OBO. 408-263-2846

Musical Instruments

1903 Chickering upright studio piano. $2,500 OBO. 925-634-9973

Didgeridoo. $50. Australian, key of D#, painted. 925-634-2701

Guitars. Gibson S.G., $850; American Fender Stratocaster, $750. Both with gig bags. Call 209-351-0631

Yamaha Spinet Piano. $750. Metronome included. 510-653-1017

Pets

Cat needs a good home. Free. She is a long hair, domestic, 4-5 years old, house broken and very loving. 209-521-0747

Cavalier King Charles Spaniel pups. Male: ruby; female: black and tan. Ready June 29. ACA registered. 650-714-1612

Dog Kennel. $75. approx. 5x5x3.5 Dogs up to 60 lbs. 925-373-3429

Female English bulldog. $700. AKC, brindle w/little bit of white. 7 months old. 925-813-2597

Palomino for sale. $2,000. 17 yrs. old gelding. Call after 5 p.m. 209-239-2812

Large bird cage. $225. 5 ft tall, on stand with wheels 925-437-0428 or 925-684-2320

Siamese cat needs a good home. 11 years old and does not like other cats. Quite sociable with people, great company. 925-484-3889

Recreation Equipment

40 lb. XVest Fitness Vest w/ weights. $60. 925-413-2595

New 2007 Burton Titan travel golf cover. $75. 925-829-9443

Fly fishing float tube. $25. 925-634-2701

Flexiciser for people with a disability. Best offer. 510-653-1017

Metolius Bouldering crash pad. $60. 925-413-2595

New Ben Hogan Big Ben putter. $75, 925-829-9443

Nikon 16mm, fisheye f2.8 lens. $400. Manual focus 925-443-4292

NordicTrack CXT 980 elliptical trainer. $300 OBO. 925-413-2595

Scuba dive tanks. 2 aluminum. Good condition. You pick up. 925-416-1146

Weight machine. $100. Dynamics LM9000 home gym. 925-846-1453

Ridesharing

Carpool/Vanpool Roseville/N. Sacramento area. Work schedule MTWRF, 7-4 (flexible). Share driving. 3-3203 or 831-210-3315

From Tracy, flexible hours. 209-221-7836

Shared Housing

House exchange: Livermore for Kihei, Maui. Available: 8/1/2007. 3 BR, 2BA, in Kihei, Maui, Hawaii. 808-283-8239

Room and private bath in Livermore home. $650. Utilites included. In Springtown, 3 miles from Lab. 925-548-1868

Room for rent. $775/mo. Pleasanton. Private bath, utilities included. 15-min. commute. (H);925-209-8778(C) 925-736-9009

Room for rent-Tracy. $500/mo. PG&E is split 3 ways. $500 deposit and $500 month. 925-337-3789

Shared furnished apartment - Livermore $750/mo 3 blocks from Lab. Available starting July 15. 916-797-1750

Shared housing. $625 - Avail. July 1. Room w/own bathroom in Livermore home. Rent includes util (except internet). Min 6 mos. Call 925-785-0189 to discuss.

Trailers

2005 Weekend Warrior toy hauler. $25,000 FS3000, 510-566-8404

2006 Forest River Cherokee 5th wheel. $23,000. Mid profile, 31.5 feet long. 209-321-1506

Trailers. $100. load leveler and sway control 10,000 lb. 209-747-6334

Trucks

1998 Dodge 1500 Quadcab. 4X4. $9,999. 925-876-5588

2003 Chevy Silverado, LS 1500, extended cab. $16,000. 35K miles. 209-234-2337

2003 GMC V6 Sonoma extended cab pickup. $9,800. 65,000 Mi.OBO. 925-373-1522

2006 Chevy Silverado. BO. 3/4ton, crew cab short-bed, 8.1 liter (496cid) gas engine, 12,000 miles, 925-634-5851

2002 GMC Yukon XL. $15,700 OBO. 925-240-0597 or 925-783-0473

2003 Dodge Dakota quad. $10,500. 69k V8 Magnum 4.7 liter, automatic 2WD 925-784-0633

1986 K5 Jimmy/Blazer. 1986 89k. 23″ rims- will sell w/ rims for 4,500 obo or 3,500 obo w/ 33″ tires. 925-487-4974

2002 4X4 GMC Z71. $16,000 OBO. 58,000 miles. 209-832-5462

1995 4x4 Chevy Tahoe. $4,500 OBO. 209-740-2506

Vacation Rentals

Arnold area mountain home. 1,600 sq. ft. 4 BR 2 BA home 925-245-1114

Kona Big Island Hawaii Vacation Home. 2,300 sq. ft., 5 BR/3 BA; sleeps 12 people. 415-377-5361

Maui, HI Kahana Reef oceanfront 1BR/1BA condo. 925 449 0761

Mountain cabin. $225/wknd Pinecrest Lake area. 3 BR/2 BA 925-449-5513

Santa Cruz beach house. 2 BR 2 BA, spa. 925-245-1114

South Lake Tahoe chalet. Lab rates. 3 BR 2 BA. 209-599-4644

Tahoe Rental. $770/week or $100/night. Sleeps 8. 925-556-9511

Truckee/ Tahoe home. 3 BR/2 BA, sleeps 8+, 925-784-0245

Tahoe vacation home. $125. 3BR/2BA in Tahoma, sleeps 6-8. 925-813-2597

Wine country rental. Monte Rio/ Russian River. 3 BR, 1.5 BA, sleeps 6. 925-513-4767

Wanted

Display case. Cheap. Glass or plastic, 408-263-2846

Golf clubs for right-handed teenager. 925-426-0721

Kid's bike seat. Mounts to the back of an adult bicycle. 925-456-5681

Need Ipod Nano clickwheel repaired. 925-552-0282

Oars and oarlocks for a small skiff. 209-403-1854

Patio table and 6 chairs. 925-443-1673

Large shed(s) wanted. 925-245-1705

Used Toyota or Honda. $5,000. 925-672-2716

Wanted: Weights for my son. Can pick up in Livermore, Tracy or Manteca. 209-321-4831 or 209-824-6089

Health Services continues national accreditation

Lawrence Livermore National Laboratory
Health Services

The Health Services Department has achieved another three-year accreditation by the Accreditation Association for Ambulatory Health Care (AAAHC). According to the final report from AAAHC, "The HSD programs and services are well administered, well supported by the umbrella organization, fully integrated, and core parts of site health and safety programs, operating with solid fiscal controls, robust communication practices, clearly defined roles, responsibilities and accountability, appropriate personnel practices and ongoing customer feedback practices."

"Accreditation underscores our long-standing commitment to providing the highest possible levels of quality care to the community we serve," said Jim Seward, MD, LLNL medical director. "We are pleased and proud to have our efforts recognized with this accreditation."

HSD received its first three-year AAAHC accreditation in 2001 and re-accreditation in 2004, demonstrating its commitment to provide patients with high-quality health care services.

Accreditation is the highest form of public recognition a health care organization can receive for the quality of care it provides. Status as an accredited organization means that Health Services passed a series of rigorous and nationally recognized standards for the provision of quality health care, set by the AAAHC.

The AAAHC is a national, non-profit accrediting body whose purpose is to promote the provision of quality health care services in the ambulatory care environment through accreditation. AAAHC has reviewed a number of Department of Energy contractor occupational medicine programs. Sandia-Albuquerque, Sandia-Livermore and LANL also have been accredited by the AAAHC.

Organizations seeking accreditation by AAAHC undergo an extensive onsite, peer-based survey of its facilities and services. Not all ambulatory health care organizations seek accreditation; not all undergoing the survey are granted accreditation. Among the types of ambulatory health care organizations that can seek AAAHC accreditation are college and university health services, community health centers, occupational health centers, ambulatory and office based surgery centers, single and multi-specialty group practices, and managed care organizations. More than 3,000 ambulatory health care organizations across the United States are accredited by AAAHC.

NEWSLINE

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PEOPLE NEWS

IN MEMORIAM

Charlie Biederman

Charlie Biederman, former director of the Laboratory's Public Affairs Office, died June 5. He was 77.

Biederman was born Dec. 3, 1929, in Chicago, where he spent most of his youth until moving to Appleton, Wis. He majored in journalism at the University of Wisconsin.

He came to Livermore in 1989 after working for General Electric in Connecticut and advertising firms in New York. He worked at the Lab through 1995 when he retired and moved to Rochester, Vt., with his wife, Carol.

As director of Public Affairs, Biederman was involved in the community, joining groups such as the Livermore Rotary. He has been credited with improving relations with the community and bringing Laboratory communications into the post Cold War era through greater openness and transparency.

After moving to Vermont, he served on Rochester's three-person selectboard, serving as a type of mayor to the town. Most recently he was working on a project to regionalize the operations of five towns for things such as schools, emergency response and water. He also traveled internationally to countries such as Pakistan, India and China to do work for women's literacy and education, often on behalf of Rotary International.

Outside of his work, Biederman was known to friends for his knowledge on current events and unusual hobbies. While living in Livermore, he participated in a walking group that met Sunday mornings at Sycamore Grove Park. He continued to enjoy hobbies such as skiing, racquetball and tennis in his later years.

Biederman is survived by his wife of 53 years, Carol; his daughter, Martha Abbene of San Francisco; his son, William Biederman and his wife, Allison, of Ripton, Vt.; his sister, Peg Winter of Phoenix; and five grandchildren.

A celebration of his life is planned for July 21 in Vermont. Donations may be made to the Charlie Biederman Literacy Project, Tri-Valley Bank, Attn: Kathryn Hohl or Patty Velasco, 1756 First St., Livermore, 94550. The project, being done through Rotary International, has tax ID No. EIN 02-0809106.

Roped in

NADINE HORNER/PAO

The Lab's Debbie Bradford (right) was a member of the third place team in the team penning competition held as a promotion June 6 for the main event, the annual Livermore Rodeo. Her teammates were from left, Judi Wells and Paul Fagliano. Other Lab employees participating in this year's pre-rodeo event were: Michael Mosby, group leader BSD/Property Management; and Sue Marlais, division leader and director for CADSE in Computation.

IN PROFILE

Program broadens Lab collaborations with universities

By Linda Lucchetti
Newsline staff writer

Danuta (Dana) Leszczynska had just begun a position as an environmental engineering and environmental science professor last August at Jackson State University in Jackson, Miss. when she received news that she would be leaving for a year.

She had been selected to participate in leading edge research at LLNL as a participant in a program jointly sponsored with the Science and Engineering Alliance — a consortium that includes the Laboratory and four Historically Black Colleges and Universities (HBCUs). The Laboratory-wide program develops and promotes productive and mutually beneficial scientific collaborations between Lab researchers and faculty and students at other institutions.

"I was very happy to learn I would be coming to Livermore," Leszczynska said. Although disappointed that she wouldn't have much time to get acquainted with her students and colleagues, she was excited. "Lawrence Livermore National Laboratory has an excellent reputation. To have an opportunity to come here is like winning an award." she said.

Born and raised in Poland, Leszczynska received both a master's and doctorate degree in chemical engineering/organic chemistry and environmental engineering from Poland's Wroclaw Technical University. Since last fall, she has been working with Sonia Létant, of the Lab's Chemical Sciences Division in the Chemistry, Materials, and Life Sciences (CMLS) Directorate, conducting research focusing on selective ion transport through polycarbonate nanopores.

Leszczynska conducted a large set of very systematic transport experiments in which she tracks the transport of large molecules through nanopores while changing chemical conditions. These experiments might ultimately shed light on new transport mechanisms at the nanoscale and have implications for filtration and separation technologies.

While Létant is a physicist by training and focuses her research on the design of new functional nano-materials for various applications including separation and sensing, Leszczynska's long term interest is focused on the development of new (or manipulation of old) techniques that could be used for water treatment. "Science really never happens the way it is planned," Létant said. "New ideas come along and spark projects."

JOSEPH MARTINEZ/TID

Danuta Leszczynska (right) a visiting professor from Jackson State University conducted research focusing on selective ion transport through polycarbonate nanopores with Sonia Létant of the Lab's Chemical Sciences Division. The research was part of a Lab-wide program to promote collaborations between Lab scientists and faculty at other institutions.

In addition to molecular transport studies, both scientists discovered that they had other complementary research goals: while some aspects of Létant's research focuses on nanomaterial synthesis and characterization, Leszczynska will be pursuing research on possible toxicity of commercial nano-materials at Jackson State University and is starting a comprehensive study of this topic. The researchers are planning to collaborate on this project in the near future.

Létant and Leszczynska have much in common in addition to their work. Both are from Europe; Létant is from France. And, they both attribute their early interest in science to Nobel laureate Marie Sklodowska Curie, who was born and raised in Poland, but later worked and lived in France.

When Leszczynska returns to Jackson State, she will use her research results to write and publish papers. "I will identify future students — both graduate and undergraduate — who would benefit from an internship here at the Lab," Leszczynska said. "In this setting, students can detach themselves from every day life and focus solely on research. Everything in the way of science is available to them here."

She said that accomplished students will bring what they have learned in the classroom and labs to the LLNL environment where they can work side-by-side with distinguished scientists to generate new ideas that might otherwise never be born. Students and faculty from HBCUs and other Minority Institutions (MIs) have made important contributions to basic and applied research efforts at LLNL.

Tommy Smith, the Lab's Diversity and Affirmative Action manager and one of the architects of the program, observes "As a federal contractor, the Laboratory is obligated to make a viable good-faith effort to have our workforce reflect the diverse make-up of qualified individuals in all of our job categories. By building strong meaningful partnerships with key researchers from HBCUs and MIs, we significantly increase our ability to be viewed as an employer of choice by talented individuals from these institutions."

Leszczynska's time at the Lab ended in May, but while she was here she enjoyed a break from academia — a short departure from the routine of university plans and paperwork — and an opportunity to meet new people and collaborate with scientists in her field.

"I tell my students that science should be fun. If it is not fun for them, they are in the wrong place," she said, speaking from personal experience. "During my assignment at the Lab, I have felt like a kid in a toy department; I could do research I wanted and all the instrumentation and materials were available. I want to thank Sonia Létant and Bill Bourcier, my other collaborator from the Lab."

TRANSITION, from page 3

currently filled by acting individuals. In some cases, individual employees may be asked for background information to assist in the mapping process. LLNS will use a consistent and inclusive process to evaluate and place personnel when positions are created, consolidated or acting positions filled. Specifically, the LLNS process includes:

- Requirement of a position description.
- Consideration first and foremost of qualified, incumbent employees.
- A minimum of three interviews for vacant positions.
- Associate director or senior management concurrence on selected interviewees.
- George Miller's approval on final selection.

We will learn more from LLNS about its organization plans over the next several weeks. It is important to keep in mind that the majority of the workforce will remain in their current positions, reporting into the new PAD structure. Conversations will be held with those employees whose current assignment will change in the new structure prior to receiving an offer letter.

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